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RAW SEQUENCE LISTING

DATE: 03/13/2002

PATENT APPLICATION: US/10/082,627A

TIME: 09:23:47

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF3\03132002\J082627A.raw

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3 <110> APPLICANT: Thym, Detlef
4     Knappe, Wolfgang-Reinhold
5     Shao, Zhixin
6     Schmuck, Rainer
7     Kratzsch, Peter
8     Bunk, Daniella
10 <120> TITLE OF INVENTION: New Forms of Soluble Pyrroloquinoline Quinone-Dependent
Glucose
11     Dehydrogenase
13 <130> FILE REFERENCE: RDID 00112CIPUS
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/082,627A
C--> 15 <141> CURRENT FILING DATE: 2001-10-29
15 <150> PRIOR APPLICATION NUMBER: EP 00123512.6
16 <151> PRIOR FILING DATE: 2000-10-27
18 <150> PRIOR APPLICATION NUMBER: EP 00127294.7
19 <151> PRIOR FILING DATE: 2000-12-19
21 <150> PRIOR APPLICATION NUMBER: US 09/710197
22 <151> PRIOR FILING DATE: 2000-11-09
24 <160> NUMBER OF SEQ ID NOS: 26
26 <170> SOFTWARE: PatentIn version 3.1
28 <210> SEQ ID NO: 1
29 <211> LENGTH: 7
30 <212> TYPE: PRT
31 <213> ORGANISM: Acinetobacter calcoaceticus
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: (3)..(3)
36 <223> OTHER INFORMATION: The amino acid at this position can be any residue other than
thr
37     eonine
40 <400> SEQUENCE: 1
W--> 42 Trp Pro Xaa Val Ala Pro Ser
43 1         5
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 7
48 <212> TYPE: PRT
49 <213> ORGANISM: Acinetobacter calcoaceticus
51 <220> FEATURE:
52 <221> NAME/KEY: misc_feature
53 <222> LOCATION: (4)..(4)
54 <223> OTHER INFORMATION: The amino acid in this position can be any residue other than
asp
55     aragine
58 <400> SEQUENCE: 2

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W--> 60 Thr Ala Gly Xaa Val Gln Lys
61 1 5

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64 <210> SEQ ID NO: 3
65 <211> LENGTH: 7
66 <212> TYPE: PRT
67 <213> ORGANISM: Acinetobacter calcoaceticus
69 <220> FEATURE:
70 <221> NAME/KEY: misc_feature
71 <222> LOCATION: (4)..(4)
72 <223> OTHER INFORMATION: The amino acid in this position can be any residue other than
glu
73         tamine
76 <400> SEQUENCE: 3
W--> 78 Ala Asp Gly Xaa Asn Gly Leu
79 1             5
82 <210> SEQ ID NO: 4
83 <211> LENGTH: 26
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial Sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Description of artificial sequence: sense primer GF23
90 <400> SEQUENCE: 4
91 cgcgcacgcg catgccgccg atgttc                26
94 <210> SEQ ID NO: 5
95 <211> LENGTH: 23
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of artificial sequence: antisense primer GR23
102 <400> SEQUENCE: 5
103 gacggccagt gaattctttt cta                23
106 <210> SEQ ID NO: 6
107 <211> LENGTH: 20
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of artificial sequence: sense primer GDH F2
114 <400> SEQUENCE: 6
115 ttaacgtgct gaacagccgg                20
118 <210> SEQ ID NO: 7
119 <211> LENGTH: 20
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Description of artificial sequence: sense primer GDH F3
126 <400> SEQUENCE: 7
127 gatgctgatg ggcagaatgg                20
130 <210> SEQ ID NO: 8
131 <211> LENGTH: 20
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:

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136 <223> OTHER INFORMATION: Description of artificial sequence: sense primer GDH F4
138 <400> SEQUENCE: 8
139 atatgggtaa agtactacgc 20
142 <210> SEQ ID NO: 9
143 <211> LENGTH: 20
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Description of artificial sequence: sense primer GDH F5
150 <400> SEQUENCE: 9
151 acgatccaac ttgtggagag 20
154 <210> SEQ ID NO: 10
155 <211> LENGTH: 20
156 <212> TYPE: DNA
157 <213> ORGANISM: Artificial Sequence
159 <220> FEATURE:
160 <223> OTHER INFORMATION: Description of artificial sequence: antisense primer GDH R1
162 <400> SEQUENCE: 10
163 cgattaagtt gggtaacgcc 20
166 <210> SEQ ID NO: 11
167 <211> LENGTH: 20
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial Sequence
171 <220> FEATURE:
172 <223> OTHER INFORMATION: Description of artificial sequence: antisense primer GDH R2
174 <400> SEQUENCE: 11
175 atacggaaaa tgacaccacg 20
178 <210> SEQ ID NO: 12
179 <211> LENGTH: 20
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: Description of artificial sequence: antisense primer GDH R3
186 <400> SEQUENCE: 12
187 gggccttggt cagactgcaa 20
190 <210> SEQ ID NO: 13
191 <211> LENGTH: 20
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Description of artificial sequence: antisense primer GDH R4
198 <400> SEQUENCE: 13
199 caagacgacc tgactgatgg 20
202 <210> SEQ ID NO: 14
203 <211> LENGTH: 20
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: Description of artificial sequence: antisense primer GDH R5

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210 <400> SEQUENCE: 14
211 cataacaacg cgtgcggcctt
214 <210> SEQ ID NO: 15
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216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial Sequence
219 <220> FEATURE:
220 <223> OTHER INFORMATION: Description of artificial sequence: sense primer EGF
222 <220> FEATURE:
223 <221> NAME/KEY: misc_feature
224 <222> LOCATION: (14)..(14)
225 <223> OTHER INFORMATION: can be any nucleotide
228 <220> FEATURE:
229 <221> NAME/KEY: misc_feature
230 <222> LOCATION: (15)..(15)
231 <223> OTHER INFORMATION: can be any nucleotide
234 <220> FEATURE:
235 <221> NAME/KEY: misc_feature
236 <222> LOCATION: (16)..(16)
237 <223> OTHER INFORMATION: can be any nucleotide
240 <400> SEQUENCE: 15
W--> 241 tccaacttgt ggannnatga cctacattt
244 <210> SEQ ID NO: 16
245 <211> LENGTH: 29
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of artificial sequence: antisense primer EGR
252 <220> FEATURE:
253 <221> NAME/KEY: misc_feature
254 <222> LOCATION: (14)..(14)
255 <223> OTHER INFORMATION: can be any nucleotide
258 <220> FEATURE:
259 <221> NAME/KEY: misc_feature
260 <222> LOCATION: (15)..(15)
261 <223> OTHER INFORMATION: can be any nucleotide
264 <220> FEATURE:
265 <221> NAME/KEY: misc_feature
266 <222> LOCATION: (16)..(16)
267 <223> OTHER INFORMATION: can be any nucleotide
270 <400> SEQUENCE: 16
W--> 271 aaatgtaggt catnnntcca caagttgga
274 <210> SEQ ID NO: 17
275 <211> LENGTH: 29
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: Description of artificial sequence: sense primer TSF
282 <220> FEATURE:

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283 <221> NAME/KEY: misc_feature
284 <222> LOCATION: (14)..(14)
285 <223> OTHER INFORMATION: can be any nucleotide
288 <220> FEATURE:
289 <221> NAME/KEY: misc_feature
290 <222> LOCATION: (15)..(15)
291 <223> OTHER INFORMATION: can be any nucleotide
294 <220> FEATURE:
295 <221> NAME/KEY: misc_feature
296 <222> LOCATION: (16)..(16)
297 <223> OTHER INFORMATION: can be any nucleotide
300 <400> SEQUENCE: 17
W--> 301 catttgctgg ccannngttg caccgtcat 29
304 <210> SEQ ID NO: 18
305 <211> LENGTH: 29
306 <212> TYPE: DNA
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: Description of artificial sequence: antisense primer TSR
312 <220> FEATURE:
313 <221> NAME/KEY: misc_feature
314 <222> LOCATION: (14)..(14)
315 <223> OTHER INFORMATION: can be any nucleotide
318 <220> FEATURE:
319 <221> NAME/KEY: misc_feature
320 <222> LOCATION: (15)..(15)
321 <223> OTHER INFORMATION: can be any nucleotide
324 <220> FEATURE:
325 <221> NAME/KEY: misc_feature
326 <222> LOCATION: (16)..(16)
327 <223> OTHER INFORMATION: can be any nucleotide
330 <400> SEQUENCE: 18
W--> 331 atgacggtgc aacnnntggc cagcaaattg 29
334 <210> SEQ ID NO: 19
335 <211> LENGTH: 29
336 <212> TYPE: DNA
337 <213> ORGANISM: Artificial Sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: Description of artificial sequence: sense primer NHF
342 <220> FEATURE:
343 <221> NAME/KEY: misc_feature
344 <222> LOCATION: (14)..(14)
345 <223> OTHER INFORMATION: can be any nucleotide
348 <220> FEATURE:
349 <221> NAME/KEY: misc_feature
350 <222> LOCATION: (15)..(15)
351 <223> OTHER INFORMATION: can be any nucleotide
354 <220> FEATURE:
355 <221> NAME/KEY: misc_feature

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/082,627A

DATE: 03/13/2002
TIME: 09:23:48

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\03132002\J082627A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 3
Seq#:2; Xaa Pos. 4
Seq#:3; Xaa Pos. 4
Seq#:15; N Pos. 14,15,16
Seq#:16; N Pos. 14,15,16
Seq#:17; N Pos. 14,15,16
Seq#:18; N Pos. 14,15,16
Seq#:19; N Pos. 14,15,16
Seq#:20; N Pos. 14,15,16
Seq#:21; N Pos. 14,15,16
Seq#:22; N Pos. 14,15,16

VERIFICATION SUMMARY

DATE: 03/13/2002

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Input Set : A:\PTO.VSK.txt

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L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:42 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:60 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0